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DATE MAILED: 03/11/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

44992 7590 03/11/2008 ASTRAZENECA R&D BOSTON 35 GATEHOUSE DRIVE WALTHAM, MA 02451-1215 EXAMINER
TRUONG, TAMTHOM NGO
ART UNIT PAPER NUMBER
1624

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/539,481	06/17/2005	Andrew Austen Mortlock	100937-1P US	2446		
TITLE OF INVENTION: QUINAZOLINE COMPOUNDS						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NO THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed oth ions.	or tran g the erwise	smitting the ISSU Patent, advance or in Block 1, by (a							
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mu have its own certificate of mailing or transmission.				c mailings of the ner accompanying nal drawing, must	
44992 7590 03/11/2008 ASTRAZENECA R&D BOSTON 35 GATEHOUSE DRIVE WALTHAM, MA 02451-1215						Cer	tificate	of Mailing or Trans 3) Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the d	nission deposite t class m above, o ate indica	d with the United ail in an envelope r being facsimile ted below.
										(Depositor's name)
										(Signature)
				L						(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR			ATTORNEY DOCKET NO. CO.			ONFIRMATION NO.
10/539,481	06/17/2005			Andrew Austen Mortlo	ck			00937-1P US		2446
TITLE OF INVENTION:	QUINAZOLINE COM									
APPLN, TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE DU	E PRE	V. PAID ISSU	SFEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO		\$1440	\$300		\$0		\$1740		06/11/2008
EXAM	INER		ART UNIT	CLASS-SUBCLASS	٦					
TRUONG, TAN	ATHOM NGO		I624	514-080000	_					
"Fee Address" indi PTO/SB/47; Rev 03-0; Number is required. 3. ASSIGNEE NAME AT	ondence address (or Cha //122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT/ ess an assignee is ident n in 37 CFR 3.11. Comp	nge of 'Indica ed. Usa	Correspondence ation form e of a Customer E PRINTED ON		to 3 resatively, agle firm or agent) ttorneys be printe type) e patent, an assign	gistered paten n (having as a) and the nam or agents. If ed. If an assign	memb es of u no nam	er a 2		has been filed for
Please check the appropri	ate assignee category or	catego	ories (will not be pr	inted on the patent):	Indi	vidual 🔲 Co	orporati	on or other private gro	up entity	Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies				D. Payment of Fee(s): (P A check is enclosed Payment by credit of The Director is here overpayment, to De	d. card. Fo eby auth	rm PTO-2038 orized to char	is atta	ched. required fee(s), any de	ficiency.	
	SMALL ENTITY state	s. See	37 CFR 1.27.	b. Applicant is no l						
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	iired) v tes Pat	will not be accepted ent and Trademark	from anyone other that Office.	n the ap	plicant; a regi	stered a	uttorney or agent; or th	e assigne	e or other party in
Authorized Signature					1	Date				
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This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu- inginia 22313-1450. DC 13-1450.	FR 1.3 U.S.C. USPT den, sl NOT	11. The informatic . 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR	on is required to obtain of 1.14. This collection is depending upon the ine of Chief Information Off COMPLETED FORMS	or retain estimate dividual ficer, U.: TO TH	a benefit by t ed to take 12 i case. Any co S. Patent and IS ADDRESS	he publ minutes mment Traden i. SENI	ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Dep D TO: Commissioner	by the U g gatheri ne you re urtment of or Patent	SPTO to process) ng, preparing, and quire to complete f Commerce, P.O. is, P.O. Box 1450,

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35 GATEHOUSE		ART UNIT	PAPER NUMBER				
WALTHAM, MA	02451-1215	1624					

DATE MAILED: 03/11/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 240 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 240 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)					
10/539,481	MORTLOCK, ANDREW AUSTEN					
Examiner	Art Unit					
FAMTHOM N. TRUONG	1624					

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative
of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to amendment of 12-12-07.
- The allowed claim(s) is/are 9,24 and 25.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2.
 Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO/SB/08),
- Paper No./Mail Date ______

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- 9. Other .

/James O. Wilson Supervisory Patent Examiner Art Unit 1624 Application/Control Number: 10/539,481 Page 2

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Allowable Subject Matter

Applicant's amendment of 12-12-07 has cancelled rejected claims 1-8 and 10-23. Thus, all previous rejections have been overcome. With no other outstanding rejections, claims 9, 24 and 25 are allowed.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

- a. The invention is drawn to a 4-(substituted 1,3-thiazol-2-yl-amino)-quinazolin-7-yl having a H or methoxy group at the 6-position, and a side chain at the 7-position having a dihydrogen phosphate terminal group. The closest reference, Mortlock (US'338 -- cited previously), teaches a quinazoline compound with 1,3-thiazol-2-yl-amino at the 4-position. However, it fails to teach a dihydrogen phosphate as a terminal group in the side chain at the 7-position. Thus, it does not anticipate or render obvious the instant compounds.
- b. An update search yields two copending applications, PAP 2006/0058325 and PAP 2006/0116357. Their claims are drawn to quinazoline compounds with pyridine, pyrimidine, pyrazole or imidazole at the 4-position. Thus, there is no overlapping subject matter for an Obviousness-type Double Patenting.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue Application/Control Number: 10/539,481 Page 3

Art Unit: 1624

Allowance."

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAMTHOM N. TRUONG whose telephone number is (571)272-0676. The examiner can normally be reached on M, T and Th (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tamthom N. Truong/

Tamthom N. Truong Examiner Art Unit 1624 /James O. Wilson/ Supervisory Patent Examiner Art Unit 1624

2-26-08